CLAIMS

- 1. A fusion protein comprising a polypeptide having the antigenicity of Mycoplasma gallisepticum and a polypeptide derived from Herpesvirus outer membrane
- protein, said polypeptide derived from the outer membrane protein being ligated with the polypeptide having the antigenicity of Mycoplasma gallisepticum at the N terminus thereof.
- A fusion protein according to claim +, wherein
- 10 said outer membrane protein is derived from a herpes virus showing infection to fowl.
 - 3. A fusion protein according to claim 2, wherein said outer membrane protein is derived from a Marek's disease virus.
- 15 4. A fusion protein according to claim 3, wherein said outer membrane protein is gB protein derived from a Marek's disease virus.
- 5. A fusion protein according to claim 1, wherein said polypeptide derived from the outer membrane protein
- 20 is a signal sequence portion in the outer membrane protein derived from a herpes virus.
 - A fusion protein according to claim 5, wherein said outer membrane protein is a signal sequence portion in the outer membrane protein derived from a herpes virus showing infection to fowl.
 - 7. A fusion protein according to claim 5 wherein said signal sequence portion is a signal sequence portion in derived from the outer membrane protein of a Marek's

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dįsease virus.

- A fusion protein according to claim 5, wherein said polypeptide derived from the outer membrane protein is a signal sequence portion of gB protein derived from a Marek's disease virus.
- 9. A hybrid DNA coding for the fusion protein
- according to any one of claims 2 through 8.
 - 10. A recombinant yeator in which a DNA coding for
- the fusion protein according to any one of claims
- ©10 through 8 has been inserted
 - 11. A recombinant Avipox virus in which a DNA coding for the fusion protein according to any one of claims of through 8 has been inserted.
 - 12. A recombinant live vaccine for anti-fowl
 - Mycoplasma gallisepticum infection comprising as an effective ingredient a recombinant Avipox virus in which a DNA coding for the fusion protein according to any one of claims 1 through 8 has been inserted.
 - 13. A trivalent live vaccine for anti-fowl
 - Mycoplasma gallisepticum infection and anti-Marek's disease infection comprising as an effective ingredient a DNA coding for the fusion protein according to any one of claims 3 and 4.

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